

Claims

1. Bone screw having a screw member (1) possessing a threaded section (2) and a head (3), a receiving part (5) at the head end for receiving a rod to be connected to the bone screw, wherein the receiving part (5) has an open first bore (6) and a substantially U-shaped cross-section having two free legs provided with a thread, and a second bore (7) at the end opposite to the first bore (6) whose diameter is greater than that of the threaded section (2) and smaller than that of the head (3), and a seat for the head (3) and a nut or screw acting together with the thread, characterised in that viewed relative to the axis of the first bore (6) the edge bounding the free end of the second bore (7) is of asymmetric construction.
2. Bone screw according to Claim 1, characterised in that the bounding edge has a countersink (10) in an angular region.
3. Bone screw according to Claim 1 or 2, characterised in that the normal to the plane going through the bounding edge is inclined to the axis of the first bore (6).
4. Bone screw according to one of Claims 1 to 3, characterised in that the mid-point of the plane enclosed by the bounding edge is offset relative to the axis of the first bore (6).
5. Bone screw having a screw member (1) possessing a threaded section (2) and a head (3), a receiving part (5) at the head end for receiving a rod to be connected to the bone screw, wherein the receiving part (5) has an open first bore (6) and a substantially U-shaped cross-section having two free legs provided with a thread, and a second bore (7) at the end opposite to the first bore (6) whose diameter is greater than that of the threaded section (2) and smaller than that of the

head (3), and a seat for the head (3) and a nut or screw acting together with the thread, characterised in that on its neck adjoining the spherical segment the screw member (1) has a recess or sink (16).

BEST AVAILABLE COPY